

C2 2. (Amended) The ink-jet recording medium of claim 1, wherein the substrate comprises a polymer or cellulose paper.

3. (Amended) The ink-jet recording medium of claim 1, wherein the substrate comprises poly(ethylene terephthalate).

C3 5. (Amended) The ink jet recording medium of claim 1, wherein the fumed alumina particles have a mean diameter of about 1 μm or less.

C4 7. (Twice Amended) The ink-jet recording medium of claim 1, wherein the alumina to binder ratio is about 2:1 by weight or more.

C5 27. (Twice Amended) An ink-jet recording medium prepared by a method comprising

- (a) providing a substrate,
(b) coating the substrate with a coating composition comprising fumed alumina particles and a binder, wherein the fumed alumina particles have a surface area of about 30-80 m^2/g , and the solids content of the alumina in the composition is about 10 wt.% or more, and
(c) drying the coated substrate to provide the ink-jet recording medium.

28. (Twice Amended) The ink-jet recording medium of claim 27, wherein the coating composition has a solids content of alumina in the composition of about 20 wt.% or more.

C4 29. (Amended) The ink-jet recording medium of claim 5, wherein the fumed alumina particles have a mean diameter of about 80-300 nm.

30. (Amended) The ink-jet recording medium of claim 29, wherein the fumed alumina particles have a mean diameter of about 100-200 nm.

C1 33. (Amended) The ink-jet recording medium of claim 1, wherein the fumed alumina particles have a surface area of about 40-60 m^2/g .

C8 44. (Amended) The ink-jet recording medium of claim 7, wherein the alumina to binder ratio is about 7:1 by weight or more.

45. (Amended) The ink-jet recording medium of claim 44, wherein the alumina to binder ratio is about 9:1 by weight or more.

46. (Amended) The ink-jet recording medium of claim 1, wherein the glossy coating has a 75° specular gloss of about 65% or more.

47. (Amended) The ink-jet recording medium of claim 1, wherein the glossy coating has a total mercury intrusion volume of about 0.3 ml/g or more.

48. (Amended) The ink-jet recording medium of claim 47, wherein the glossy coating has a total mercury intrusion volume of about 0.8 ml/g or more.

49. (Amended) The ink-jet recording medium of claim 27, wherein the fumed alumina particles have a mean diameter of about 1 μ m or less.

50. (Amended) The ink-jet recording medium of claim 49, wherein the fumed alumina particles have a mean diameter of about 80-300 nm.

51. (Amended) The ink-jet recording medium of claim 50, wherein the fumed alumina particles have a mean diameter of about 100-200 nm.

52. (Amended) The ink-jet recording medium of claim 27, wherein the alumina to binder ratio is about 2:1 by weight or more.

53. (Amended) The ink-jet recording medium of claim 52, wherein the alumina to binder ratio is about 9:1 by weight or more.

55. (Amended) The ink-jet recording medium of claim 27, wherein the glossy coating has a 75° specular gloss of about 65% or more.

56. (Amended) The ink-jet recording medium of claim 27, wherein the glossy coating has a total mercury intrusion volume of about 0.3 ml/g or more.